UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 7,177,520 B2
APPLICATION NO. : 09/850253
DATED : February 13, 2007
INVENTOR(S) : John Mark Zetts

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page, Item (73) Assignee:

Substitute Assignee Name "IBM Corporation" with the full name --International Business Machines Corporation--.

Substitute claim 36 with the following claim, due to the USPTO printing errors made in col. 22, li. 59 through col. 23, li. 15:

--36. A method of processing a previously encoded MPEG video high-resolution (HR) file and corresponding proxy file, for frame accurate timecode repair and synchronization of individual video frames of the HR file and proxy file, comprising the following steps:
(a) for each video frame of the HR file and proxy file, creating a compressed timecode packet having an identifying signature, an absolute timecode of the frame, a relative timecode of the frame, a picture type and a picture reference, wherein the timecodes having the SMPTE timecode format HH:MM:SS:FF;
(b) modifying the HR file and proxy file by inserting in a header of each video frame of the HR file and proxy file the corresponding compressed timecode packet, while maintaining the files' original frame presentation timing;
(c) automatically verifying the timecodes in the HR file and proxy file timecode packets; and
(d) if needing a repair of the HR file anomalous absolute timecodes, automatically correcting the anomalous absolute timecodes in the HR file timecode packets, thereby preserving the MPEG compliance and compressed audio/video data of the HR file and proxy file.--

Substitute claim 39 with the following claim, due to the USPTO printing errors made in col. 23, li. 28-30:

--39. A system for processing a previously encoded MPEG video high-resolution (HR) file and corresponding proxy file, for frame accurate timecode repair and synchronization of individual video frames of the HR file and proxy file, comprising:
a computer coupled to an electronic storage device for storing the MPEG video files;
programming means, performed by the computer, for creating for each video frame of the HR file and proxy file, a compressed timecode packet having an identifying signature, an absolute timecode of the frame, a relative timecode of the frame, a picture type and a picture reference, wherein the timecodes having the SMPTE timecode format HH:MM:SS:FF;

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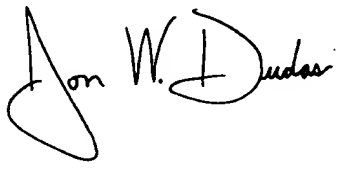
programming means, performed by the computer, for modifying the HR file and proxy file by inserting in a header of each video frame of the HR file and proxy file the corresponding compressed timecode packet, while maintaining the files' original frame presentation timing;
programming means, performed by the computer, for automatically verifying the timecodes in the HR file and proxy file timecode packets; and
programming means, performed by the computer, for automatically synchronizing the proxy file and the HR file absolute timecodes and relative timecodes in the timecode packets,
thereby preserving the MPEG compliance and compressed audio/video data of the MPEG video file.--

Substitute claim 40 with the following claim, due to the USPTO printing errors made in col. 23, li. 42 to 54:

--40. The system according to claim 39, wherein the means for automatically synchronizing the proxy file and the HR file absolute timecodes and relative timecodes in the timecode packets further comprising:
means for inserting a synchronization metadata into the proxy file, for signaling an offset and disparity in duration of the proxy file and HR file, a timecode repair action taken, and a timecode type identifying a source of the absolute timecode as chosen from a group comprising an original source timecode, repaired timecode, elapsed timecode or house timecode, and
means for marking affected frames of the proxy file as unviewable, when no corresponding frame found in the HR file.--

Signed and Sealed this

Tenth Day of June, 2008



JON W. DUDAS
Director of the United States Patent and Trademark Office